Application No: 10522074   Version No: 3.0

Input Set:

Output Set:

Started: 2009-05-21 16:33:54.174
Finished: 2009-05-21 16:34:14.524
Elapsed: 0 hr(s) 0 min(s) 20 sec(s) 350 ms
Total Warnings: 40
Total Errors: 0
No. of SeqIDs Defined: 40
Actual SeqID Count: 40

Error code   Error Description

W 213   Artificial or Unknown found in <213> in SEQ ID (1)

W 213   Artificial or Unknown found in <213> in SEQ ID (2)

W 213   Artificial or Unknown found in <213> in SEQ ID (3)

W 213   Artificial or Unknown found in <213> in SEQ ID (4)

W 213   Artificial or Unknown found in <213> in SEQ ID (5)

W 213   Artificial or Unknown found in <213> in SEQ ID (6)

W 213   Artificial or Unknown found in <213> in SEQ ID (7)

W 213   Artificial or Unknown found in <213> in SEQ ID (8)

W 213   Artificial or Unknown found in <213> in SEQ ID (9)

W 213   Artificial or Unknown found in <213> in SEQ ID (10)

W 213   Artificial or Unknown found in <213> in SEQ ID (11)

W 213   Artificial or Unknown found in <213> in SEQ ID (12)

W 213   Artificial or Unknown found in <213> in SEQ ID (13)

W 213   Artificial or Unknown found in <213> in SEQ ID (14)

W 213   Artificial or Unknown found in <213> in SEQ ID (15)

W 213   Artificial or Unknown found in <213> in SEQ ID (16)

W 213   Artificial or Unknown found in <213> in SEQ ID (17)

W 213   Artificial or Unknown found in <213> in SEQ ID (18)

W 213   Artificial or Unknown found in <213> in SEQ ID (19)

W 213   Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started:	2009-05-21 16:33:54.174
Finished:	2009-05-21 16:34:14.524
Elapsed:	0 hr(s) 0 min(s) 20 sec(s) 350 ms
Total Warnings:	40
Total Errors:	0
No. of SeqIDs Defined:	40
Actual SeqID Count:	40

Error code   Error Description

This error has occured more than 20 times, will not be displayed

<210> 1
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide leader sequence

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> CAN BE EITHER Phe OR Trp OR Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> CAN BE EITHER Leu OR Val or ALA or Met

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> CAN BE EITHER Ser OR Thr

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> CAN BE EITHER Ile OR Val OR Ala OR Met

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<400>  1

Xaa Xaa Xaa Xaa Xaa
1               5


<210>  2
<211>  5
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic polypeptide leader sequence


<220>
<221>  MISC_FEATURE
<222>  (2)..(2)
<223>  CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met

<220>
<221>  MISC_FEATURE
<222>  (3)..(3)
<223>  CAN BE EITHER Leu OR Val OR Ala OR Met

<220>
<221>  MISC_FEATURE
<222>  (4)..(4)
<223>  CAN BE EITHER Ser OR Thr

<220>
<221>  MISC_FEATURE
<222>  (5)..(5)
<223>  CAN BE EITHER Ile OR Val OR Ala OR Met

<400>  2

Phe Xaa Xaa Xaa Xaa
1               5


<210>  3
<211>  5
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic polypeptide leader sequence


<220>
<221>  MISC_FEATURE
<222>  (1)..(1)
<223>  CAN BE EITHER Phe OR Trp OR Tyr

<220>
<221>  MISC_FEATURE
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<222>    (3)..(3)
<223>    CAN BE EITHER Leu OR Val OR Ala OR Met


<220>
<221>    MISC_FEATURE
<222>    (4)..(4)
<223>    CAN BE EITHER Ser OR Thr


<220>
<221>    MISC_FEATURE
<222>    (5)..(5)
<223>    CAN BE EITHER Ile OR Val OR Ala OR Met


<400>    3

Xaa Ile Xaa Xaa Xaa
1                    5



<210>    4
<211>    5
<212>    PRT
<213>    Artificial Sequence

<220>
<223>    Synthetic polypeptide leader sequence


<220>
<221>    MISC_FEATURE
<222>    (1)..(1)
<223>    CAN BE EITHER Phe OR Trp OR Tyr


<220>
<221>    MISC_FEATURE
<222>    (2)..(2)
<223>    CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met


<220>
<221>    MISC_FEATURE
<222>    (4)..(4)
<223>    CAN BE EITHER Ser OR Thr


<220>
<221>    MISC_FEATURE
<222>    (5)..(5)
<223>    CAN BE EITHER Ile OR Val OR Ala OR Met


<400>    4

Xaa Xaa Val Xaa Xaa
1                    5



<210>    5
<211>    5
<212>    PRT
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<213> Artificial Sequence

<220>
<223> Synthetic polypeptide leader sequence

<220>
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<222> (1)..(1)
<223> CAN BE EITHER Phe OR Trp OR Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> CAN BE EITHER Leu OR Val OR Ala OR Met

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> CAN BE EITHER Ile OR Val OR Ala OR Met

<400> 5

Xaa Xaa Xaa Ser Xaa
1   5

<210> 6
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide leader sequence

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> CAN BE EITHER Phe OR Trp OR Tyr

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> CAN BE EITHER Leu OR Val OR Ala OR Met

<220>

<221> MISC_FEATURE
<222> (4)..(4)
<223> CAN BE EITHER Ser OR Thr

<400> 6

Xaa Xaa Xaa Xaa Ile
1   5

<210> 7
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide leader sequence

<400> 7

Phe Ile Val Ser Ile
1   5

<210> 8
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide secretion pre-sequence

<400> 8

Met Lys Trp Val
1

<210> 9
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide secretion pre-sequence

<400> 9

Leu Phe Leu Phe Ser Ser Ala Tyr Ser
1   5

<210> 10
<211> 10
<212> PRT
<213> Artificial Sequence

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<220>
<223>  Synthetic polypeptide secretion pre-sequence


<220>
<221>  MISC_FEATURE
<222>  (1)..(1)
<223>  CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met

<220>
<221>  MISC_FEATURE
<222>  (2)..(2)
<223>  CAN BE EITHER Phe OR Trp OR Tyr

<220>
<221>  MISC_FEATURE
<222>  (3)..(3)
<223>  CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met

<220>
<221>  MISC_FEATURE
<222>  (4)..(4)
<223>  CAN BE EITHER Phe OR Trp OR Tyr

<220>
<221>  MISC_FEATURE
<222>  (5)..(5)
<223>  CAN BE EITHER Ser OR Thr OR Gly OR Tyr OR Ala

<220>
<221>  MISC_FEATURE
<222>  (6)..(6)
<223>  CAN BE EITHER Ser OR Thr OR Gly OR Tyr OR Ala

<220>
<221>  MISC_FEATURE
<222>  (7)..(7)
<223>  CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met

<220>
<221>  MISC_FEATURE
<222>  (8)..(8)
<223>  CAN BE EITHER Phe OR Trp OR Tyr

<220>
<221>  MISC_FEATURE
<222>  (9)..(9)
<223>  CAN BE EITHER Ser OR Thr OR Gly ORTyr OR Ala

<220>
<221>  misc_feature
<222>  (10)..(10)
<223>  Xaa can be any naturally occurring amino acid

<400>  10

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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<210> 11
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide secretion pre-sequence

<400> 11

Leu Phe Leu Phe Ser Ser Ala Tyr Ser Arg Ser Leu Asp Lys Arg
1   5   10   15

<210> 12
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide secretion pre-sequence

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> any amino acid PREFERABLY Phe

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> any amino acid PREFERABLY Ile

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> any amino acid PREFERABLY Val

<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> any amino acid PREFERABLY Ser OR Thr

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> any amino acid PREFERABLY Ile

<400> 12

Met Lys Trp Val Xaa Xaa Xaa Xaa Xaa Leu Phe Leu Phe Ser Ser Ala
1   5   10   15
Tyr Ser

<210> 13
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide secretion pre-sequence

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> any amino acid PREFERABLY Phe

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> any amino acid PREFERABLY Ile

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> any amino acid PREFERABLY Val

<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> any amino acid PREFERABLY Ser OR Thr

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> any amino acid PREFERABLY Ile

<400> 13

Met Lys Trp Val Xaa Xaa Xaa Xaa Xaa Ile Phe Ile Phe Ser Ser Ile
1   5   10   15
Phe Ser

<210> 14
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide secretion pre-sequence

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> any amino acid PREFERABLY Phe

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> any amino acid PREFERABLY Ile

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> any amino acid PREFERABLY Val

<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> any amino acid PREFERABLY Ser OR Thr

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> any amino acid PREFERABLY Ile

<400> 14

Met Lys Trp Val Xaa Xaa Xaa Xaa Xaa Leu Phe Leu Phe Ser Ser Ala
1   5   10   15
Tyr Ser Arg Ser Leu Asp Lys Arg
            20

<210> 15
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide leader sequence

<220>
<221> misc_feature
<222> (2)..(3)
<223> CAN BE EITHER ty OR gg OR ay

<220>
<221> misc_feature
<222> (4)..(6)
<223> CAN BE EITHER ath OR ttr OR cta OR ctg OR ctc OR ctt OR gta OR
      gtg OR gtc OR gtt OR gca OR gcg OR gcc OR gct OR atg

<220>
<221> misc_feature
<222> (7)..(9)
<223> CAN BE EITHER ttr OR cta OR ctg OR ctc OR ctt OR gta OR gtg OR
      gtc OR gtt OR gca OR gcg OR gcc OR gct OR atg

<220>
<221> misc_feature

<222> (10)..(12)
<223> CAN BE EITHER agy OR tca OR tcg OR tcc OR tct OR aca OR acg OR
       acc OR act

<220>
<221> misc_feature
<222> (13)..(15)
<223> CAN BE EITHER ath OR cta OR ctg OR ctc OR ctt OR gta OR gtg OR
       gtc OR gtt OR gca OR gcg OR gcc OR gct OR atg

<400> 15
tnnnnnnnnn nnnnn   15

<210> 16
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide leader sequence

<220>
<221> misc_feature
<222> (9)..(9)
<223> CAN BE EITHER a OR g OR c OR t

<220>
<221> misc_feature
<222> (10)..(12)
<223> CAN BE EITHER tca OR tcg OR tcc OR tct OR agy

<400> 16
ttyathgtnn nnath   15

<210> 17
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide leader sequence

<220>
<221> misc_feature
<222> (2)..(3)
<223> CAN BE EITHER tc OR gg OR ac

<220>
<221> misc_feature
<222> (4)..(6)
<223> CAN BE EITHER aty OR ttg OR gty OR gct OR atg

<220>

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<221>  misc_feature
<222>  (7)..(9)
<223>  CAN BE EITHER ttg OR gty OR gct OR atg


<220>
<221>  misc_feature
<222>  (10)..(10)
<223>  CAN BE EITHER t OR a


<220>
<221>  misc_feature
<222>  (11)..(15)
<223>  CAN BE EITHER aty OR gty OR gct OR atg


<400>  17
tnnnnnnnnn cynnn                                                      15



<210>  18
<211>  15
<212>  DNA
<213>  Artificial Sequence


<220>
<223>  Synthetic oligonucleotide leader sequence


<400>  18
ttcatygtyt cyaty                                                      15



<210>  19
<211>  1865
<212>  DNA
<213>  Artificial Sequence


<220>
<223>  s. cerevisiae 5'UTR and synthetic oligonucleotide leader sequence
       and mature human albumin CDS


<400>  19
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cttgttctcc tctgcttact ctagatcttt ggataagaga gacgctcaca agtccgaagt     120
cgctcacaga ttcaaggact tgggtgaaga aaacttcaag gctttggtct tgatcgcttt     180
cgctcaatac ttgcaacaat gtccattcga agatcacgtc aagttggtca acgaagttac     240
cgaattcgct aagacttgtg ttgctgacga atctgctgaa aactgtgaca agtccttgca     300
caccttgttc ggtgataagt tgtgtactgt tgctaccttg agagaaacct acggtgaaat     360
ggctgactgt tgtgctaagc aagaaccaga agaaacgaa tgtttcttgc aacacaagga     420
cgacaaccca aacttgccaa gattggttag accagaagtt gacgtcatgt gtactgcttt     480
ccacgacaac gaagaaacct tcttgaagaa gtacttgtac gaaattgcta aagacaccc     540
atacttctac gctccagaat gttgttctt cgctaagaga tacaaggctg ctttcaccga     600
atgttgtcaa gctgctgata aggctgcttg tttgttgcca aagtggatg aattgagaga     660
cgaaggtaag gcttcttccg ctaagcaaag attgaagtgt gcttccttgc aaaagttcgg     720
tgaaagagct ttcaaggctt gggctgtcgc tagattgtct caaagattcc caaaggctga     780
attcgctgaa gtttctaagt tggttactga cttgactaag gttcacactg aatgttgtca     840
cggtgacttg ttggaatgtg ctgatgacag agctgacttg gctaagtaca tctgtgaaaa     900
ccaagactct atctcttcca agttgaagga atgttgtgaa aagccattgt tggaaaagtc     960
tcactgtatt gctgaagttg aaaacgatga aatgccagct gacttgccat ctttggctgc    1020
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tgacttcgtt gaatctaagg acgtttgtaa gaactacgct gaagctaagg acgtcttctt      1080

gggtatgttc ttgtacgaat acgctagaag acacccagac tactccgttg tcttgttgtt      1140
gagattggct aagacctacg aaactacctt ggaaaagtgt tgtgctgctg ctgacccaca      1200
cgaatgttac gctaaggttt tcgatgaatt caagccattg gtcgaagaac cacaaaactt      1260
gatcaagcaa aactgtgaat tgttcgaaca attgggtgaa tacaagttcc aaaacgcttt      1320
gttggttaga tacactaaga aggtcccaca agtctccacc ccaactttgg ttgaagtctc      1380
tagaaacttg ggtaaggtcg gttctaagtg ttgtaagcac ccagaagcta gagaatgcc       1440
atgtgctgaa gattacttgt ccgtcgtttt gaaccaattg tgtgttttgc acgaaaagac      1500
cccagtctct gatagagtca ccaagtgttg tactgaatct ttggttaaca gaagaccatg      1560
tttctctgct ttggaagtcg acgaaactta cgttccaaag gaattcaacg ctgaaacttt      1620
caccttccac gctgatatct gtaccttgtc cgaaaaggaa agacaaatta gaagcaaac       1680
tgctttggtt gaattggtca agcacaagcc aaaggctact aaggaacaat tgaaggctgt      1740
catggatgat ttcgctgctt cgttgaaaa gtgttgtaag gctgatgata aggaaacttg       1800
tttcgctgaa gaaggtaaga agttggtcgc tgcttcccaa gctgctttgg gtttgtaata      1860
agctt                                                                   1865


<210>   20
<211>   1773
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   A mature human albumin coding region

<400>   20
agatctttgg ataagagaga cgctcacaag tccgaagtcg ctcacagatt caaggacttg        60
ggtgaagaaa acttcaaggc tttggtcttg atcgctttcg ctcaatactt gcaacaatgt       120
ccattcgaag atcacgtcaa gttggtcaac gaagttaccg aattcgctaa gacttgtgtt       180
gctgacgaat ctgctgaaaa ctgtgacaag tccttgcaca ccttgttcgg tgataagttg       240
tgtactgttg ctaccttgag agaaacctac ggtgaaatgg ctgactgttg tgctaagcaa       300
gaaccagaaa gaaacgaatg tttcttgcaa cacaaggacg acaacccaaa cttgccaaga       360
ttggttagac cagaagttga cgtcatgtgt actgctttcc acgacaacga gaaaaccttc       420
ttgaagaagt acttgtacga aattgctaga agacacccat acttctacgc tccagaattg       480
ttgttcttcg ctaagagata caaggctgct ttcaccgaat gttgtcaagc tgctgataag       540
gctgcttgtt tgttgccaaa gttggatgaa ttgagagacg aaggtaaggc ttcttccgct       600
aagcaaagat tgaagtgtgc ttccttgcaa aagttcggtg aaagagcttt caaggcttgg       660
gctgtcgcta gattgtctca aagattccca aaggctgaat cgctgaagt ttctaagttg        720
gttactgact tgactaaggt tcacactgaa tgttgtcacg gtgacttgtt ggaatgtgct       780
gatgacagag ctgacttggc taagtacatc tgtgaaaacc aagactctat ctcttccaag       840
ttgaaggaat gttgtgaaaa gccattgttg gaaaagtctc actgtattgc tgaagttgaa       900
aacgatgaaa tgccagctga cttgccatct ttggctgctg acttcgttga atctaaggac       960
gtttgtaaga actacgctga agctaaggac gtcttcttgg gtatgttctt gtacgaatac      1020
gctagaagac acccagacta ctccgttgtc ttgttgttga dattggctaa gacctacgaa      1080
actaccttgg aaaagtgttg tgctgctgct gacccacacg aatgttacgc taaggttttc      1140
gatgaattca gccattggt cgaagaacca caaaacttga tcaagcaaaa ctgtgaattg       1200
ttcgaacaat tgggtgaata caagttccaa aacgctttgt tggttagata cactaagaag      1260
gtcccacaag tctccacccc aactttggtt gaagtctcta gaaacttggg taaggtcggt      1320
tctaagtgtt gtaagcaccc agaagctaag agaatgccat gtgctgaaga ttacttgtcc      1380
gtcgttttga accaattgtg tgttttgcac gaaaagaccc cagtctctga tagagtcacc      1440
aagtgttgta ctgaatcttt ggttaacaga agaccatgtt tctctgcttt ggaagtcgac      1500
gaaacttacg ttccaaagga attcaacgct gaaactttca ccttccacgc tgatatctgt      1560
accttgtccg aaaaggaaag acaaattaag aagcaaactg ctttggttga attggtcaag      1620
cacaagccaa aggctactaa ggaacaattg aaggctgtca tggatgattt cgctgctttc      1680
gttgaaaagt gttgtaaggc tgatgataag gaaacttgtt tcgctgaaga aggtaagaag      1740
ttggtcgctg cttcccaagc tgctttgggt ttg                                   1773
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<210> 21
<211> 1827
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide leader sequence and protein coding
region

<400> 21

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atgaagtggg ttttcatcgt ctccattttg ttcttgttct cctctgctta ctctagatct     60
ttggataaga gagacgctca caagtccgaa gtcgctcaca gattcaagga cttgggtgaa    120
gaaaacttca aggctttggt cttgatcgct ttcgctcaat acttgcaaca atgtccattc    180
gaagatcacg tcaagttggt caacgaagtt accgaattcg ctaagacttg tgttgctgac    240
gaatctgctg aaaactgtga caagtccttg cacaccttgt tcggtgataa gttgtgtact    300
gttgctacct tgagagaaac ctacggtgaa atggctgact gttgtgctaa gcaagaacca    360
gaaagaaacg aatgtttctt gcaacacaag gacgacaacc caaacttgcc aagattggtt    420
agaccagaag ttgacgtcat gtgtactgct ttccacgaca cgaagaaac cttcttgaag     480
aagtacttgt acgaaattgc tagaagacac ccatacttct acgctccaga attgttgttc    540
ttcgctaaga gatacaaggc tgctttcacc gaatgttgtc aagctgctga taaggctgct    600
tgtttgttgc caaagttgga tgaattgaga gacgaaggta aggcttcttc cgctaagcaa    660
agattgaagt gtgcttcctt gcaaaagttc ggtgaaagag cttttcaagc ttgggctgtc    720
gctagattgt ctcaaagatt cccaaaggct gaattcgctg aagtttctaa gttggttact    780
gacttgacta aggttcacac tgaatgttgt cacggtgact gttggaatg tgctgatgac    840
agagctgact ggctaagta catctgtgaa aaccaagact ctatctcttc caagttgaag    900
gaatgttgtg aaaagccatt gttggaaaag tctcactgta ttgctgaagt tgaaaacgat    960
gaaatgccag ctgacttgcc atctttggct gctgacttcg ttgaatctaa ggacgtttgt   1020
aagaactacg ctgaagctaa ggacgtcttc ttgggtatgt tcttgtacga atacgctaga   1080
agacacccag actactccgt tgtcttgttg ttgagattgg ctaagaccta cgaaactacc   1140
ttggaaaagt gttgtgctgc tgctgaccca cacgaatgtt acgctaaggt tttcgatgaa   1200
ttcaagccat tggtcgaaga accacaaaac ttgatcaagc aaaactgtga attgttcgaa   1260
caattgggtg aatacaagtt ccaaaacgct ttgttggtta gatacactaa gaaggtccca   1320
caagtctcca ccccaacttt ggttgaagtc tctagaaact ggtaaggt cggttctaag    1380
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